



See caption on page 2

The figure shows the early rise phase of the X1.5 flare as seen by RESIK Bragg crystal spectrometer aboard the Russian Coronas-F Solar Observatory. The time goes horizontally, as indicated on the GOES plots (upper panel). The spectra covers (in four bands) the wavelength regions from 3.2 up to 6.1 Angstroms including many emission lines formed in high temperature ($T > 5$ MK) coronal plasma. Individual spectra gather time is 10 s. Black areas correspond to rad. belt crossings when detector's high voltage was off. The time averaged spectra are seen in the corresponding right panels (red-filled). After the period shown, the detectors became saturated for few hours. The catalogue of RESIK spectral observations can be found at <http://www.cbk.pan.wroc.pl/2002.htm>